AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1 – 43. (cancelled without prejudice)

44. (currently amended) A program storage device readable by a <u>computer</u> machine, tangibly embodying a program of instructions executable by the ~~machine~~ <u>at least one computer</u> to perform ~~method steps for performing~~ a data method, the method ~~steps~~ comprising:

aggregating enterprise related data from a plurality of database management systems in accordance with a common schema<u>, and</u>

storing said aggregated data in one or more tables or files to support processing<u>,</u>

<u>analyzing at least a portion of said data with a series of models to identify one or more attributes for each of one or more elements of value that contribute to one or more components of value and create a summary of said attributes for each element of value,</u>

<u>developing a model of enterprise cash flow by a component of value that identifies a net contribution to cash flow for each element of value using said summaries, and</u>

<u>using the model to calculate a current operation value contribution for each of one or more elements of value and complete tasks selected from the group consisting of predicting an impact of a change to one or more elements of value on enterprise cash flow and identifying a set of changes to one or more elements of value that will optimize enterprise cash flow, produce financial statements that identify value and value changes by element of value and combinations thereof</u>

<u>where the current operation value of each of one or more elements of value is reported in an enterprise balance sheet,</u>

<u>where the enterprise cash flow is modeled only after removing data associated with all enterprise growth options, and</u>

<u>where the predictive model is a model of actual and forecast cash flow.</u>

45. (previously presented) The program storage device of claim 44 wherein the enterprise related data are aggregated in accordance with a common data dictionary that identifies a

common set of attributes selected from the group consisting of: category of value, component of value, element of value, currency, unit of measure and combinations thereof.

46. (previously presented) The program storage device of claim 45, wherein the components of value are selected from the group consisting of revenue, expense, change in capital and combinations thereof.

47. (currently amended) The program storage device of claim 46~~4~~, wherein the elements of value are selected from the group consisting of brands, customers, employees, production equipment, strategic partnerships, vendor relationships and combinations thereof.

48. (previously presented) The program storage device of claim 46, wherein at least part of enterprise-related data is entered for each point of time over a sequential series of points in time preceding a specified valuation date.

49. (previously presented) The program storage device of claim 48, wherein the enterprise related data further comprise forecast event data and historical event data.

50. (previously presented) The program storage device of claim 49, wherein the enterprise related data further comprises transaction data.

51. (previously presented) The program storage device of claim 44 wherein said plurality of database management systems are obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems, the Internet and combinations thereof.

52. (previously presented) The program storage device of claim 44, wherein the common schema further comprises a network model.

53. (currently amended) A computer-implemented method, comprising:

aggregating enterprise related data from a plurality of database management systems in accordance with a common schema, and

storing said aggregated data in one or more tables or files to support processing for enterprise analysis and modeling,

analyzing at least a portion of said data with a series of models to identify one or more attributes for each of one or more elements of value that contribute to a value of the element of value and create a summary of said attributes,

developing a model of enterprise cash flow by a component of value that identifies a net contribution to cash flow for each element of value using said summaries,

using the model to calculate a current operation value contribution for each of one or more elements of value, and

preparing and presenting an enterprise financial statement that includes a current operation value for each of one or more elements of value

  where the one or more elements of value comprise one or more intangible elements of value,

  where the one or more attributes for each of one or more elements of value further comprise one or more value drivers,

  where the enterprise cash flow is modeled only after removing data associated with all enterprise growth options, and

  where the predictive model is a network model of actual and forecast cash flow where the data being analyzed is partitioned into a plurality of subsets, with each subset being processed by a genetic algorithm independently of the others and where a selective crossover produces a chromosome exchange between the subsets, and

  where the selective crossover occurs between two or more successive generations..

54. (previously presented) The method of claim 53, wherein the enterprise related data are aggregated in accordance with a common data dictionary that identifies a common set of attributes selected from the group consisting of category of value, component of value, element of value, currency, unit of measure and combinations thereof.

55. (previously presented) The method of claim 54, wherein one or more elements of value are selected from the group consisting of brands, customers, employees, production equipment, strategic partnerships, vendor relationships and combinations thereof.

56. (previously presented) The method of claim 53, wherein enterprise related data further comprises forecast event data and historical event data.

57. (previously presented) The method of claim 53, wherein the enterprise related data further comprises transaction data.

58. (previously presented) The method of claim 53, wherein said plurality of database management systems are obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems, the Internet and combinations thereof.

59. (previously presented) The method of claim 53, wherein the common schema further comprises a network model.

Claims 60-64 (canceled without prejudice)

65. (currently amended) A computer-implemented method, comprising:

automatically aggregating enterprise related event data from a plurality of database management systems into files or tables in a common database, thereby converting the data into a format that supports a common schema for analyzing and modeling an enterprise,

using neural network models to identify one or more performance indicators for each of one or more elements of value,

identifying one or more value drivers from said indicators and defining a contribution summary for each element of value for each component of value using said value drivers,

creating a model of current operation financial performance by element and component of value using said contribution summaries, and

simulating a current operation financial performance using said model as required to identify changes by element of value that will optimize one or more aspects of current operation financial performance

where the current operation financial performance is modeled only after removing data associated with all enterprise growth options,

where the elements of value are selected from the group consisting of brands, customers, employees, intellectual capital, partners, vendors, vendor relationships and combinations thereof, and

where the components of value are selected from the group consisting of revenue, expense, capital change and combinations thereof.

66. (previously presented) The method of claim 65, the method further comprising:

using a common data dictionary to identify a common set of attributes in the enterprise related data from the plurality of database management systems, the attributes including at least one of: component of value, currency, element of value, unit of measure, or a combination thereof;

automatically aggregating the enterprise related data from the plurality of database management systems using the identified common set of attributes.

67. (currently amended) A computer readable medium having sequences of instructions stored therein, which when executed cause the processor in at least one computer to perform an enterprise data integration and analysis method, comprising:

obtaining a plurality of data dictionaries and event data from a plurality of data sources via a network connection,

identifying one or more relationships between each data source data dictionary and an application database data dictionary,

converting said data source data to a common schema by using said relationships in an application software segment, and

storing said converted event data in an application database for use in processing, and analyzing said data using the enterprise cash flow model of claim 53 as required to forecast an impact of a response to one or more events from the plurality of events and optionally identify an optimal response to one or more events from the plurality of events

where a plurality of data sources further comprise a plurality of database management systems for applications selected from the group consisting of a basic financial system, a human resource system, an advanced financial system, a sales system, an operations system, an accounts receivable system, an accounts payable system, a capital asset system, an inventory system, an invoicing system, a payroll system, a purchasing system and combinations thereof and

where event data comprise transaction data.

68. (previously presented) The computer readable medium of claim 67, wherein a common schema is defined by an application database schema.

69. (previously presented) The computer readable medium of claim 67, wherein a common schema further comprises a network schema.

70. (previously presented) The computer readable medium of claim 67, wherein a common schema contains a common data dictionary where said common data dictionary defines common attributes selected from the group consisting of elements of value, components of value, currencies, units of measure, time periods, dates and combinations thereof.

71. (currently amended) A ~~data integration~~ financial system, comprising:

a computer with a processor having circuitry to execute instructions;

a storage device available to said processor with sequences of instructions stored therein, an interface coupled to a plurality of data sources each of which has a data dictionary, and an application software segment which when executed causes the processor to:

obtain a plurality of data dictionaries and data from the plurality of data sources,

identify one or more relationships between each data source data dictionary and an application database data dictionary,

convert said data source data to a common schema by using said relationships, and

store said converted data in an application database for use in processing,

analyzing at least a portion of said data with a series of models to identify one or more attributes for each of one or more elements of value that impact one or more components of value and a value of the element of value and create a summary of said attributes,

developing a model of an actual and a forecast enterprise cash flow by a component of value and element of value using said summaries, and

using the model to calculate a current operation value contribution for each of one or more elements of value and complete tasks selected from the group consisting of predicting an impact of a change to one or more elements of value on enterprise cash flow and identifying a set of changes to one or more elements of value that will optimize enterprise cash flow and combinations thereof

where the one or more elements of value are selected from the group consisting of brands, customers, employees, partnerships, vendor relationships and combinations thereof,

where the enterprise cash flow is modeled only after removing data associated with all enterprise growth options, and

where the cash flow for each element of value by a component of value comprises a net cash flow comprised of an element of value contribution to each component of value net of its impact on one or more other elements of value.

72. (previously presented) The system of claim 71, wherein a plurality of data sources further comprise a plurality of relational databases that use different data formats.

73. (previously presented) The system of claim 71, wherein an interface further comprises a network connection.

74. (previously presented) The system of claim 71, wherein a plurality of data sources further comprise database management systems for applications selected from the group consisting of a basic financial system, a human resource system, an advanced financial system, a sales system, an operations system, an accounts receivable system, an accounts payable system, a capital asset system, an inventory system, an invoicing system, a payroll system,. a purchasing system, an intranet and combinations thereof.

75. (previously presented) The system of claim 71, wherein a common schema contains a common data dictionary that defines common attributes selected from the group consisting of elements of value, components of value, currencies, units of measure, time periods, dates and combinations thereof.

76. (previously presented) The system of claim 71, wherein a conversion of data to a common schema further comprises an conversion of data that is completed automatically.

77. (currently amended) A computer implemented data integration method, comprising:

accessing a plurality of enterprise data and data dictionaries via a back-end interface coupled to a plurality of data sources,

identifying one or more relationships between each data source data dictionary and an application database data dictionary,

converting said enterprise data to a common schema by using said relationships in an application software segment, and

storing said converted data in an application database for use in processing,

analyzing at least a portion of said data to create a plurality of network models that identify a contribution for each of one or more elements of value to one or more aspects of current operation financial performance using said data,

using said models to calculate a current operation value contribution for each of one or more elements of value and to identify one or more changes by element of value that will optimize one or more aspects of current operation financial performance, and

displaying the one or more identified changes

where the one or more aspects of financial performance are selected from the group consisting of revenue, expense, capital change, cash flow and combinations thereof,

where the aspects of financial performance are modeled only after removing data associated with all enterprise growth options,

where a common schema further comprises a network schema, and

where a plurality of data sources further comprise database management systems for a plurality of enterprise transaction systems.

78. (previously presented) The method of claim 77, wherein a back-end interface further comprises a network connection.

79. (previously presented) The method of claim 77, wherein the method further comprises accessing, converting, integrating and storing data from an Internet.

80. (previously presented) The method of claim 77, wherein a common schema further comprises a common data dictionary where said common data dictionary defines common attributes selected from the group consisting of elements of value, components of value, currencies, units of measure, time periods, dates and combinations thereof.

81. (previously presented) The method of claim 77, wherein a plurality of enterprise transaction systems are selected from the group consisting of a basic financial system, a human resource system, an advanced financial system, a sales system, an operations system, an accounts

receivable system, an accounts payable system, a capital asset system, an inventory system, an invoicing system, a payroll system, a purchasing system, an Intranet and combinations thereof.

82. (withdrawn)